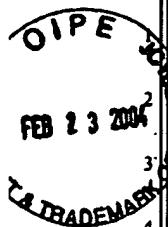


## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Application Serial No. ....10/683,817  
 Filing Date ..... 10/10/2003  
 Inventorship ..... Jordi Ferran, et al.  
 Applicant..... Hewlett-Packard Company  
 Confirmation Number .....2989  
 Group Art Unit .....  
 Examiner .....  
 Attorney's Docket No. .... HP1-706US  
 Title: ENCODING SYSTEM

**RESPONSE TO NOTICE TO FILE MISSING PARTS DATED 01/12/2004**

From: David S. Thompson  
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 Intellectual Property Administration  
 P.O. Box 272400  
 Fort Collins, CO 80527-2400

Sir:

In response to the Notice to File Missing Parts of 01/12/2004, please amend the above-identified application as follows:

Remarks/Arguments start on page 3 of this paper.

**INTRODUCTORY COMMENTS**

1        This communication is in response to the Notice to File Missing Parts  
2        dated 01/12/2004, for which a two-month shortened statutory period for  
3        response is set for 03/12/2004. Please amend the above-identified application  
4        in accordance with the directions set forth below.

**REMARKS**

This Response is submitted in response to the Notice to File Missing Parts of 01/12/2004.

This application was inadvertently filed with Fig. 6 missing. As a result, Figs. 7—9 were actually numbered as Figs. 6—8.

A new set of drawings is hereby supplied, wherein the new Fig. 6 is included, and wherein old Figs. 6—8 are now properly numbered as Figs. 7—9.

Newly supplied Fig. 6 does not include any new matter.

Support for every element seen in Fig. 6 is seen in the previously submitted text of the patent application. This support will now be reviewed with particularity. Referring to Fig. 6, it can be seen that Fig. 6 is a flow chart. This flow chart is fully described in the text from page 16, line 28 to page 17, line 20.

Block B1 of Fig. 6 states: "Receive viewed pattern." In support of this, the flow chart is described at page 16, lines 29—30 of the text. In particular, the text states: "In block B1, a viewed pattern is received at the pattern analyzer." Thus, block B1 of Fig. 6 is fully supported by the text.

Block B2' of Fig. 6 states: "Correlate viewed pattern with encoder pattern (101010101)". In support of this, the flow chart is described at page

1 16, lines 30—32. In particular, the text states: "In block B2', the viewed  
2 pattern is correlated with the encoder pattern, which is "10101010101" in this  
3 example." Thus, block B2' is fully supported by the text.

4  
5 Block B2" of Fig. 6 states: "Correlate viewed pattern with index pattern  
6 (00011111000)." In support of this, the flow chart is described at page 16, line  
7 33 to page 17, line 1. In particular, the text states: "In block B2", the viewed  
8 pattern is correlated with the index pattern, which is "00011111000" in this  
9 example." Thus, block B2" is fully supported by the text.

10  
11 Block B3' of Fig. 6 states: "Is correlation higher than 5?" In support of  
12 this, the flow chart is described at page 17, lines 1—3. In particular, the text  
13 states: "In block B3' it is ascertained whether the correlation of the viewed  
14 pattern with the encoder pattern is higher than a certain threshold ("5" in the  
15 example of Fig. 6)." Thus, block B3' is fully supported by the text.

16  
17 Block B3" of Fig. 6 states: "Is correlation higher than 9?" In support of  
18 this, the flow chart is described at page 17, lines 5—7. In particular, the text  
19 states: "In block B3" it is ascertained whether the correlation of the viewed  
20 pattern with the index pattern is higher than a certain other threshold ("9" in the  
21 example of Fig. 6)." Thus, block B3' is fully supported by the text.

22  
23 Block B4' of Fig. 6 shows that an incremental signal is set to 1 if the  
24 outcome of block B3' is positive; if the outcome is negative then no  
25 incremental signal is generated. In support of this, the flow chart is described  
at page 17, lines 4—5. In particular, the text states: "If the outcome is positive

1 an incremental signal is generated, if, however, it is negative, no incremental  
2 signal is generated (block B4')." Thus, block B4' is fully supported by the text.

3  
4 Block B4" of Fig. 6 shows that an index signal is set to 1 if the outcome  
5 of block B3' is positive; if the outcome is negative then no index signal is  
6 generated. In support of this, the flow chart is described at page 17, lines 7—9.  
7 In particular, the text states: "If the outcome is positive an index signal is  
8 generated, if, however, it is negative, no index signal is generated (block B4")."  
9 Thus, block B4" is fully supported by the text.

10  
11 Thus, the Applicant respectfully asks that the new drawings be entered,  
12 and that it is noted that no new matter is included.

13  
14 Respectfully Submitted,

15  
16 Dated: 2-23-04

17 By: 

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